

Fig. 1

1 KNT : TDI CKLPKDEGTCRDFILKYYDPNT----KSCARFWYGGCGGNNKFGSQKECEKVCA
 ZKUN6 (E) : C-LP-DVQACTGETSPHLVLWHYDPQRGGCMTFPARGCDGAARGFETYEACQQAC
 ZKUN6 (F) : CVLPVQGFPCRGWEPRWAYSPLL---QQCHPFVYGGCEGNGNNFHSRECEDAC

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 105 0.02
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 107 -0.03
 108 0.17
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 111 0.12
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 113 -0.05
 114 0.42
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 116 1.67
 117 1.67
 118 1.67
 119 2.33
 120 2.33
 121 1.83
 122 1.38
 123 1.13
 124 0.07
 125 -0.60
 126 -1.18
 127 -1.13
 128 -0.68

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129	-0.27	===	A
130	0.00		S
131	0.10		D =
132	-0.20	==	G
133	-0.63	=====	L
134	-1.10	=====	T
135	-0.60	=====	Y
136	-0.47	=====	Y
137	-0.78	=====	N
138	-0.62	=====	R
139	0.27		C ===
140	0.15		Y ==
141	0.15		M ==
142	0.23		D ==
143	0.45		A =====
144	0.37		E =====
145	0.37		A =====
146	0.45		C =====
147	-0.35	=====	L
148	-0.35	=====	R
149	-0.48	=====	G
150	-0.27	=====	L
151	-1.07	=====	H
152	-1.32	=====	L
153	-1.02	=====	H
154	-1.10	=====	I
155	-0.30	=====	V
156	-0.30	=====	P
157	-0.25	=====	C
158	-0.30	=====	K
159	-0.25	=====	H
160	-0.65	=====	V
161	-1.15	=====	L
162	-1.07	=====	S
163	-0.77	=====	W
164	-0.42	=====	P
165	-0.47	=====	P
166	0.10		S =
167	0.10		S =
168	0.10		P =
169	0.55		G =====
170	0.43		P =====
171	0.37		P =====
172	0.28		E =====
173	0.78		T =====
174	0.78		T =====
175	0.22		A ==
176	0.28		R ==
177	0.35		P =====
178	0.35		T =====
179	-0.23	==	P
180	-0.23	==	G
181	-0.42	=====	A
182	-0.42	=====	A
183	-0.42	=====	P
184	-0.42	=====	V
185	-0.63	=====	P
186	-1.02	=====	P
187	-0.72	=====	A
188	-0.67	=====	L
189	-0.67	=====	Y
190	-0.53	=====	S
191	-0.23	==	S
192	0.18		P ==
193	0.05		S =
194	-0.25	==	P
195	-0.22	==	Q

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196	-0.52	=====	A
197	-0.52	=====	V
198	-1.12	=====	Q
199	-1.10	=====	V
200	-0.93	=====	G
201	-0.92	=====	g
202	-0.97	=====	T
203	-1.05	=====	A
204	-0.65	=====	S
205	-0.08	=	L
206	-0.25	==	H
207	-0.25	==	C
208	0.05		D =
209	0.63		V =====
210	0.80		S =====
211	0.30		G ==
212	0.55		R =====
213	0.42		P =====
214	0.17		P ==
215	-0.40	=====	P
216	-0.97	=====	A
217	-0.47	=====	V
218	0.03		T
219	0.15		W =
220	0.45		E =====
221	0.83		K =====
222	1.43		Q =====
223	1.43		S =====
224	1.43		h =====
225	1.43		Q =====
226	1.08		R =====
227	0.47		E =====
228	0.22		N ==
229	0.22		L ==
230	-0.28	==	I
231	0.18		M ==
232	0.52		R =====
233	0.60		P =====
234	0.43		D =====
235	-0.07	=	Q
236	-0.03		M
237	-0.78	=====	Y
238	-1.07	=====	G
239	-1.10	=====	N
240	-1.28	=====	V
241	-1.23	=====	V
242	-1.57	=====	V
243	-1.32	=====	t
244	-1.03	=====	S
245	-1.08	=====	I
246	-0.77	=====	G
247	-1.12	=====	Q
248	-1.20	=====	L
249	-1.17	=====	V
250	-1.28	=====	L
251	-0.48	=====	Y
252	-0.23	==	N
253	0.57	A	=====
254	1.45	R	=====
255	1.33	P	=====
256	1.42	E	=====
257	0.62	D	=====
258	0.23	A	==
259	-0.33	==	G
260	-1.00	=====	L
261	-0.98	=====	Y
262	-1.07	=====	T

263	-0.27	===	C
264	0.15		T ==
265	0.13		A =
266	0.22		R ==
267	-0.28	===	N
268	-0.50	=====	A
269	-1.30	=====	A
270	-0.83	=====	g
271	-0.83	=====	L
272	-0.25	===	L
273	-0.10	=	R
274	0.20		A ==
275	0.20		D ==
276	-0.25	===	F
277	-0.42	=====	P
278	-1.17	=====	L
279	-0.72	=====	S
280	-0.22	==	V
281	0.58		V =====
282	0.53		Q =====
283	0.70		R =====
284	1.45		E =====
285	1.92		P =====
286	1.33		A =====
287	0.75		R =====
288	0.75		D =====
289	0.88		A =====
290	0.08		A =
291	-0.42	===	P
292	-0.42	===	S
293	-0.33	===	I
294	-0.42	===	P
295	0.03		A
296	0.17		P ==
297	-0.13	=	A
298	-0.05		E
299	0.45		C =====
300	0.28		L ==
301	-0.18	==	P
302	-0.10	=	D
303	0.03		V
304	-0.03		Q
305	-0.53	=====	A
306	-0.28	===	C
307	-0.38	=====	T
308	-0.25	=====	G
309	-0.08	=	P
310	-0.10	=	T
311	-0.40	=====	S
312	-0.65	=====	P
313	-0.88	=====	H
314	-1.50	=====	L
315	-1.58	=====	V
316	-1.88	=====	L
317	-1.08	=====	W
318	-0.83	=====	H
319	-0.50	=====	Y
320	0.57		D =====
321	0.65		P =====
322	1.03		Q =====
323	0.37		R =====
324	0.15		G ==
325	0.05		G =
326	-0.87	=====	C
327	-0.87	=====	M
328	-0.95	=====	T
329	-0.28	===	F

330	-0.07	= P
331	-0.17	== A
332	0.75	R =====
333	0.75	G =====
334	0.75	C =====
335	0.17	D ==
336	0.67	G =====
337	0.83	A =====
338	-0.08	= A
339	0.42	R =====
340	0.43	G =====
341	0.53	F =====
342	0.53	E =====
343	0.45	T =====
344	0.70	Y =====
345	0.23	E ==
346	0.33	A ==
347	0.23	C ==
348	-0.43	==== Q
349	-0.43	==== Q
350	0.23	A ==
351	0.20	C ==
352	0.17	A ==
353	0.25	R ==
354	0.92	G =====
355	0.92	F =====
356	0.25	G ==
357	0.00	D
358	-0.30	==== A
359	-0.30	==== C
360	-0.88	===== V
361	-1.05	===== L
362	-0.85	===== P
363	-0.60	===== A
364	-0.30	==== V
365	-0.47	===== Q
366	0.12	G =
367	0.37	P =====
368	0.17	C ==
369	0.67	R =====
370	0.67	G =====
371	1.33	w =====
372	0.27	E ==
373	0.18	P ==
374	-0.03	R
375	-0.48	==== W
376	-0.48	==== A
377	-1.28	===== Y
378	-1.02	===== S
379	-0.90	===== P
380	-0.48	==== L
381	-0.70	===== L
382	-0.78	===== Q
383	-0.48	===== Q
384	-0.60	===== C
385	-0.88	===== H
386	-1.30	===== P
387	-1.13	===== F
388	-1.05	===== V
389	-1.22	===== Y
390	-0.30	==== G
391	-0.05	G
392	0.37	C =====
393	0.37	E =====
394	0.40	G =====
395	0.60	N =====
396	-0.32	==== G

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464	1.45		K	=====
465	1.48		D	=====
466	1.78		D	=====
467	0.98		K	=====
468	0.98		M	=====
469	0.07		G	=
470	-0.73	=====	L	
471	-0.52	=====	K	
472	-0.58	=====	F	
473	0.22		L	==
474	-0.67	=====	G	
475	-0.55	=====	T	
476	0.25		K	==
477	0.00		Y	
478	0.00		L	
479	-0.80	=====	E	
480	-0.98	=====	V	
481	-0.68	=====	T	
482	-1.40	=====	L	
483	-0.65	=====	S	
484	-1.15	=====	G	
485	-0.93	=====	M	
486	-0.53	=====	D	
487	-0.53	=====	W	
488	-0.48	=====	A	
489	-0.98	=====	C	
490	-0.38	=====	P	
491	-0.52	=====	C	
492	-0.42	=====	P	
493	-0.50	=====	N	
494	-0.33	=====	M	
495	0.17		T	==
496	0.13		A	=
497	0.35		G	==
498	0.12		D	=
499	-0.05		G	
500	-0.35	=====	P	
501	-1.07	=====	L	
502	-1.07	=====	V	
503	-0.57	=====	I	
504	-0.52	=====	M	
505	0.23		G	==
506	1.03		E	=====
507	1.25		V	=====
508	1.00		R	=====
509	0.42		D	==
510	0.42		G	==
511	-0.38	=====	V	
512	-0.38	=====	A	
513	-0.47	=====	V	
514	-0.22	=====	L	
515	-0.08	=====	D	
516	-0.22	=====	A	
517	-0.17	=====	G	
518	-0.17	=====	S	
519	-0.17	=====	Y	
520	-0.25	=====	V	
521	-0.25	=====	R	
522	0.63		A	=====
523	1.38		A	=====
524	1.38		S	=====
525	1.22		E	=====
526	1.80		K	=====
527	2.25		R	=====
528	1.45		V	=====
529	0.65		K	=====
530	0.65		K	=====

